



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/526,120 Confirmation No.: 2575
Applicant : Chua et al.
Filing Date : August 29, 2003
T.C./A.U. : 1642
Examiner : Not Yet Assigned
Title : Recombinant Nucleic Acid Useful for Inducing Protective Immune Response Against Allergens

Docket No. : 11747.105002 NUS002
Customer No. : 20786

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL RESPONSE TO NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATION CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Sir:


In further response to the Notification to Comply with Requirements for Patent Applications Containing Nucleotides and/or Amino Acid Sequence Disclosures, mailed November 7, 2005, the Response filed December 22, 2005, and the Notification of Defective Response, mailed March 17, 2006, Applicants request a four month extension of time from the due date of January 7, 2006 to May 8, 2006, since May 7, 2006 falls on a Sunday. Applicants, through their attorneys and agents, submit the following:

1. This Supplemental Response to Notification to Comply with Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures;
2. Copy of Notification of Defective Response mailed March 17, 2006;
3. Preliminary Amendment;
4. Sequence Listing (paper);
5. Sequence Listing (diskette);

6. Sequence Listing Content Statement;
7. Petition for Extension of Time;
8. Certificate of Mailing; and
9. Postcard.

It is believed that no fee is due at this time and that the submission of these documents constitutes a complete response to the Notice. The Commissioner is authorized to charge any fees to Deposit Account No. 11-0980.

Respectfully submitted,



Madeline I. Johnston, Esq.
Reg. No. 36,174

Date: May 8, 2006

King & Spalding LLP
1180 Peachtree Street
34th Floor
Atlanta, GA 30309
Tel. (404) 572-4600

**RESPONSE TO NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR
PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID
SEQUENCE DISCLOSURES**

Certificate of Mailing Under 37 CFR 1.8

I hereby certify that the below-listed items are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below-identified date.

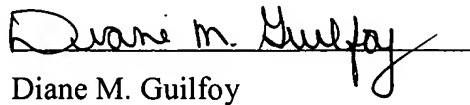
Enclosures:

1. Response to Notification to Comply with Requirements for Patent Applications
Containing Nucleotide and/or Amino Acid Sequence Disclosures;
2. Copy of Notification to Comply with Requirements for Patent Application Number
10/526,120;
3. Preliminary Amendment;
4. Sequence Listing (paper);
5. Sequence Listing (diskette);
6. Sequence Listing Content Statement;
7. Certificate of Mailing; and
8. Postcard.

Deposit Date: December 22, 2005

Appl. No.: 10/526,120

Docket No.: 11747.105002 NUS002


Diane M. Guilfoyle



Certificate of Mailing Under 37 CFR 1.8

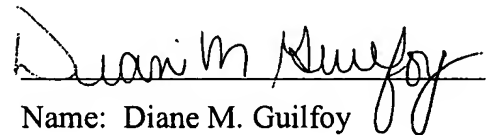
I hereby certify that this Supplemental Response to Notification to Comply with Requirements for Patent Application Containing Nucleotide and/or Amino Acid Sequence Disclosure, Copy of Notification of Defective Response, Supplemental Preliminary Amendment, Sequence Listing in written form, Sequence Listing in computer readable form, Sequence Listing Content Statement, References, Petition for Extension of Time, Certificate of Mailing, Check in the amount of \$795.00 and Postcard, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service with sufficient postage as first class mail in a box addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the below-identified date.

Deposit Date: May 8, 2006

Appl. No.: 10/526,120, filed August 29, 2003

Title: Recombinant Nucleic Acid Useful for Inducing
Protective Immune Response Against Allergens

Docket No.: 11747.105002 NUS002


Name: Diane M. Guilfoyle



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/526,120	Kaw Yan Chua	11747.105002 NUS002

INTERNATIONAL APPLICATION NO.

PCT/SG03/00205

I.A. FILING DATE	PRIORITY DATE
08/29/2003	08/29/2002

20786

KING & SPALDING LLP
1180 PEACHTREE STREET
ATLANTA, GA 30309

CONFIRMATION NO. 2575

371 FORMALITIES LETTER



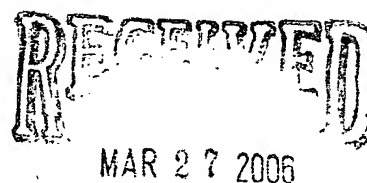
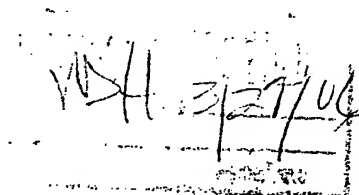
OC000000018309497

Date Mailed: 03/17/2006

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 02/28/2005
- Copy of the International Search Report filed on 02/28/2005
- Copy of IPE Report filed on 02/28/2005
- Copy of Annexes to the IPER filed on 02/28/2005
- Preliminary Amendments filed on 01/03/2006
- Information Disclosure Statements filed on 10/17/2005
- Biochemical Sequence Diskette filed on 01/03/2006
- Oath or Declaration filed on 07/14/2005
- Biochemical Sequence Listing filed on 01/03/2006
- U.S. Basic National Fees filed on 02/28/2005
- Priority Documents filed on 02/28/2005
- Specification filed on 02/28/2005
- Claims filed on 02/28/2005
- Abstracts filed on 02/28/2005
- Drawings filed on 02/28/2005



KING & SPALDING LLP

Applicant's response filed 01/03/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 11/07/2005 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

TAMALA D HOLLAND

Telephone: (703) 308-9140 EXT 209

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/526,120	PCT/SG03/00205	11747.105002 NUS002

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/526,120
Source: P45
Date Processed by STIC: 3/6/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

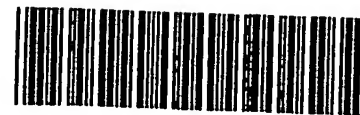
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/526,120

DATE: 03/06/2006

TIME: 15:57:14

Input Set : A:\PTO.ss.txt

Output Set: N:\CRF4\03062006\J526120.raw

3 <110> APPLICANT: Chua, Kaw Yan
4 Liew, Lip Nyin
6 <120> TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID USEFUL FOR INDUCING PROTECTIVE
7 IMMUNE
8 RESPONSE AGAINST ALLERGENS
10 <130> FILE REFERENCE: 92706-58
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/526,120
C--> 12 <141> CURRENT FILING DATE: 2005-02-28
E--> 12 <160> NUMBER OF SEQ ID NOS: 49
14 <170> SOFTWARE: PatentIn version 3.2

ERRORED SEQUENCES

pp 1-6
Does Not Comply
Corrected Diskette Needed

see following page
for more errors

10/5. 120 2

<210> 48 *last sequence is submitted file*
<211> 35
<212> PRT
<213> Homo sapiens tissue plasminogen activator leader sequence

<400> 48

Met Asp Ala Met Lys Arg Gly Leu Cys Cys Val Leu Leu Leu Cys Gly
1 5 10 15

Ala Val Phe Val Ser Pro Ser Gln Val Gly Val Gln Asp Pro Cys Val
20 25 30

Pro Pro Leu
35

10/526,120 3

<210> 2
<211> 234
<212> DNA
<213> artificial

<220>

<223> chimeric gene that encodes the Mus musculus LAMP-1 leader sequence, the

Blo → *move over*

t5 gene fragment for the H-2d-restricted Th epitope and the Mus musculus LAMP-1 transmembrane and cytoplasmic domain

this type of error appears in subsequent sequences

10, 6, 120 4

<210> 5
<211> 849
<212> DNA
<213> artificial

<220>

<223> chimeric gene that encodes the Mus musculus LAMP-1 leader sequence, the entire —) *move up*

Der p 1 gene product and the Mus musculus LAMP-1 transmembrane and cytoplasmic *move up*
domain

*TYI: Per 1.823 of sequence rules, a
maximum of 4 lines for <223> response*

14. 26, 120 5

<210> 27
<211> 78
<212> DNA
<213> Rattus norvegicus LIMP II leader peptide
<400> 27

↓
OK

? This is a DNA
sequence

This type of error
appears in subsequent
sequences.

6

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/526,120

DATE: 03/06/2006
TIME: 15:57:15

Input Set : A:\PTO.ss.txt
Output Set: N:\CRF4\03062006\J526120.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 44

Seq#:3; Line(s) 65,66

Invalid <213> Response:

ignore this
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/526,120

DATE: 03/06/2006

TIME: 15:57:15

Input Set : A:\PTO.ss.txt

Output Set: N:\CRF4\03062006\J526120.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:127 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:12 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (49) Counted (48)